DATABASE MANAGEMENT SYSTEMS

Question Bank

1] - MODULE - 1

anaredoristics of Database Apprecach.

2) Advantages of DBMS approach

Architecture of a typical DBMS/3 Echemo architecture
Types of interfaces.

Busilly and aller

Briefly explain:

(ii) Databa

(iii) Database schema.

(iv) weak entity type ...

(v) facticipation constraint

(VI) Recuerovo nelationship

(VIII) specialization

of than phases of Database design. 19 -23 persontances.

8]- DBA and Database designers-

1] Types of attribute in IR Model 10] - FR diagrams.

-) Airline reservati

- Movie - Company

1] Define the following terms:

(1) Exp (11) super key (11) (and date key (11) Principles

(v) Tough key !

3) Relational algebra question for datedwar (coupering et)

3) steps involved in converting ER construct to conseputing

relational table

4)- saise constraints

SqL suprtax for (i) Stlect (ii) Alter (iii) OPDATE

1- 891 queries for databases

2) Characteristics of relations with eq (1) Basic operations and have they dead with constraint violations

9). Dato types available for attribute specification in SQL 19. Violations in cutity lutegrity constraints, key and seferential integrity constraints, with eq.

11) - Mapping of generalization con specialization into

12] set theory operations

if Explain the constructs used in sqr with example (1) Wested greenes (11) Aggregate functions 11) Briggons (IV) views and their updatability v) scheme change statement. vi) insiety by and claving claus si) Askation 2] Dynamic SQL and now it is different from embedded squ 3) Advanced squ quenis al squi and new it is different from JDBC. 5) 3 ties auchitoties and its advantages Note on: a) little forms i) Java script () (G1) d) Application seewers e) seawlels

Stored procedure realiting of stored precedious single ties and client server anchitecture. 9]. Divers shased vasitables and communication vasitables

10 Explain Doup, delete update with eq.

11] Retrieving of tuple with embedded IRI Inc

1) MODULE -4

1] - Informal design quidelines used as measures to determine the quality of exelation schema design.

2) - Normal forms INF, 2NF 43NF

3]. Algorithm for testing non-additive join property

4) Preblems on loses of John property, say of 3, decomposition.
5) Ansortian, deletion of neodification arounds.
4 Multivated dependency, records nowwo form.
1] closure of attribute and its example.

8] Techniques to achieve INF

9]- Triansitive dependencies.

10] - Functional dependencies.

Algorithm to find unimal cover for set of FD's and its precisions

[5] MODULE-5

I- Two-phase locking protocol in concusuring control

2] - Basic time stamping algorithm

3)- Checking socializability with algorithm psubblems

inj. Musti-version concurrency control protocols

is short notes on - (1) Transaction ratioack (4 carading rollback (ii) transaction supportin soil (iii) Radea paging (v) No under rate receiving back on different update (v) Recovery techniques "and on instituted update (v) Recovery techniques (v) Recovery tec

6] Persporters of teransocions (ACID)

7] - Deadlock by stasonation published with solution

3] ALLA Michaelle that occur due to inter leave excustor

9] - cataloans inconstoney peoblems

10] - Database secovery techniques